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Figure 1

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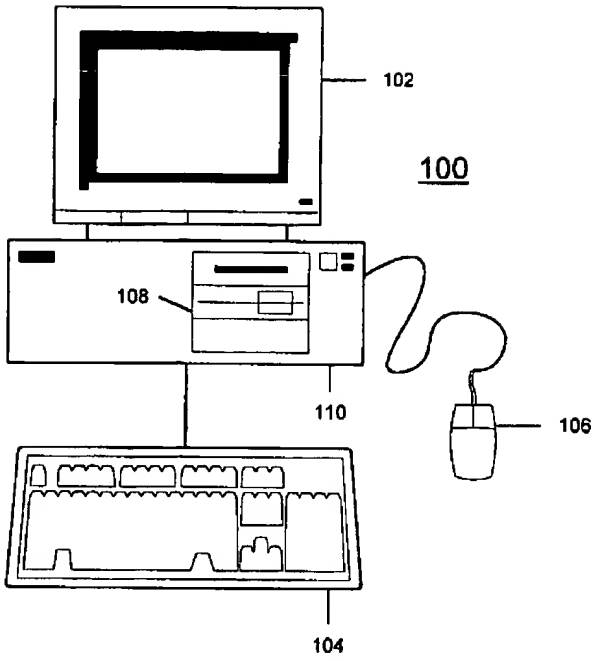

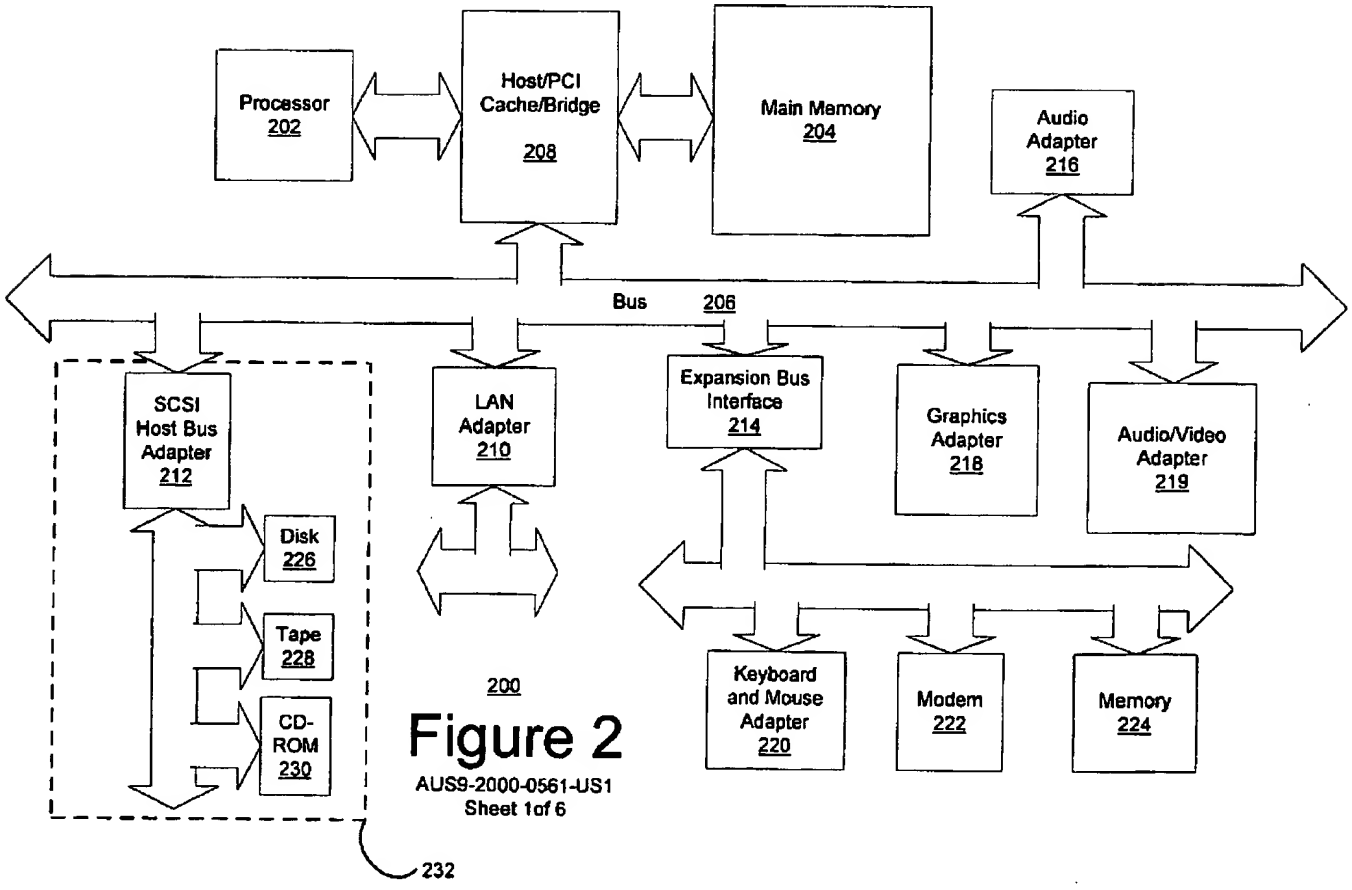

200

Figure 2

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Figure 3

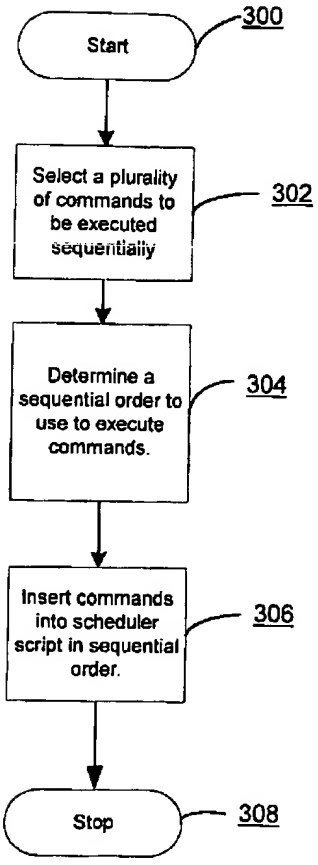

Figure 4

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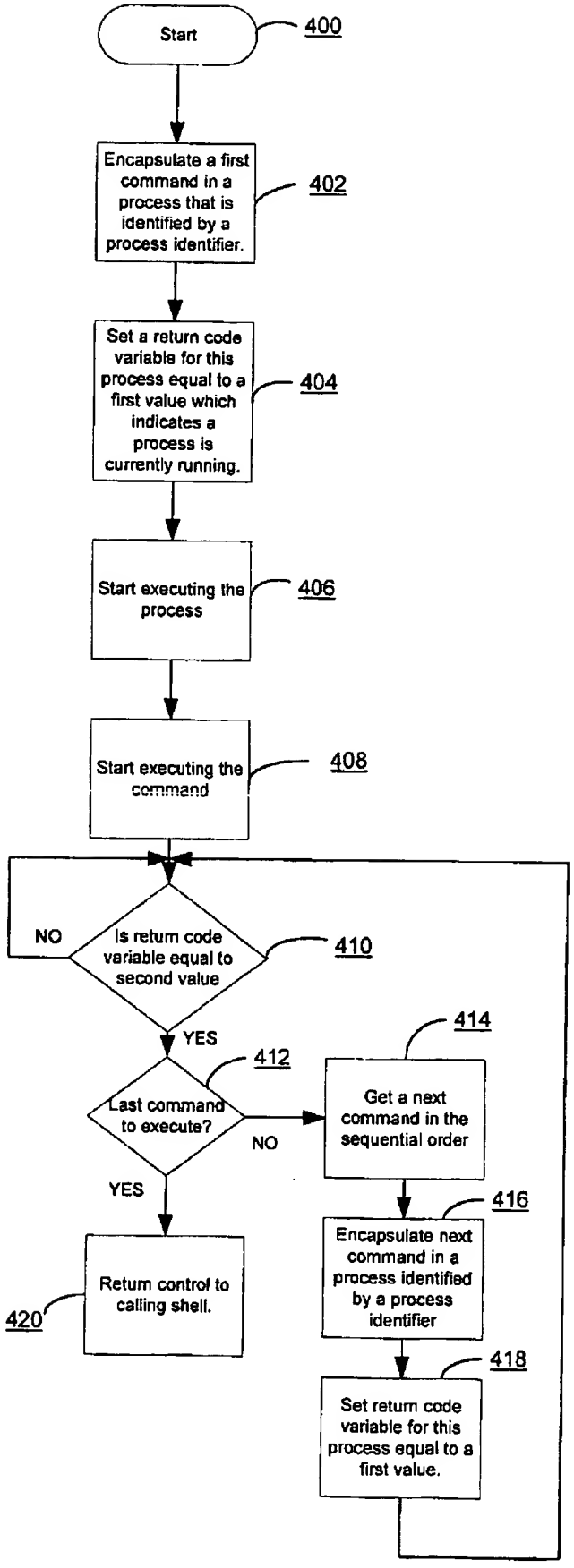
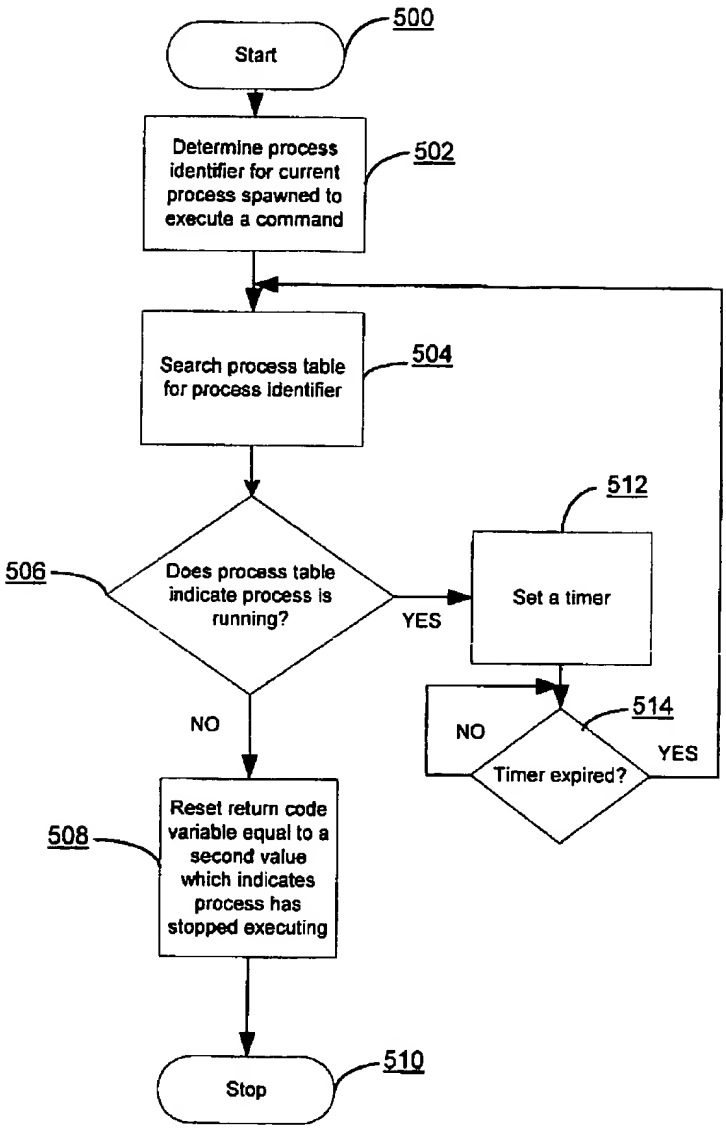


Figure 5


Start
500
Determine process identifier for current process spawned to execute a command
502
Search process table for process identifier
504
Does process table indicate process is running?
506
YES
NO
Set a timer
512
Timer expired?
514
NO
YES
Reset return code variable equal to a second value which indicates process has stopped executing
508
Stop
510

```
y=`date +%Y%m%d`
x=`date +%OH%OM%OS`

#
date >> /tmp/scheduler.log
echo "Starting scheduler" >>/tmp/scheduler.log
#--------------------------------------


date >> /tmp/scheduler.log
echo "Starting process # 1 " >>/tmp/scheduler.log
rc1=0
#insert command here for process #1
while [[ $rc1 = 0 ]]
do
ps -ef|grep process#1|grep -v grep
if [[ $? -ne 0 ]]
then rc1=1
else
sleep 600
fi
done

date >> /tmp/scheduler.log
echo "Starting process # 2 " >>/tmp/scheduler.log
rc2=0
#insert command here for process #2
while [[ $rc2 = 0 ]]
do
ps -ef|grep process#2|grep -v grep
if [[ $? -ne 0 ]]
then rc2=1
else
sleep 120
fi
done

date >> /tmp/scheduler.log
echo "Starting process # 3 " >>/tmp/scheduler.log
rc3=0
#insert command here for process #3
while [[ $rc3 = 0 ]]
do
ps -ef|grep process#3|grep -v grep
if [[ $? -ne 0 ]]
then rc3=1
else
sleep 120
fi
done
```

Fig. 6

```
#
#Example using this script with Tivoli Storage Manager (TSM)#
#
#
#echo "Starting DRMPhase1" >>/tmp/drm.log
#-------------------------------------
#RUN DRMPHASE1 TO BACKUP STG, DB, DEVCONFIG, VOLHIST, ETC.

date >> /tmp/drm.log
echo "verifying that no node sessions are running" >>/tmp/drm.log
rc1=0
while [[ $rc1 = 0 ]]
do
dsmadmc -id=admin -password=admin "select session_id,session_type,client_name from sessions
where SESSION_TYPE='Node' and CLIENT_NAME!='ENTBKDAL1'">/dev/null

if [[ $? -ne 0 ]]
then rc1=1
else
sleep 600
fi
done

date >> /tmp/drm.log
echo "Starting expire inventory" >>/tmp/drm.log
rc2=0
dsmadmc -id=admin -password=admin 'expire inventory'
while [[ $rc2 = 0 ]]
do
dsmadmc -id=admin -password=admin "select process_num,process from processes where
PROCESS='Expiration'">/dev/null
if [[ $? -ne 0 ]]
then rc2=1
else
sleep 120
fi
done
```

Fig. 7